

## Chapter 5 – Consultation and Coordination, Acronyms, Glossary, and References Cited

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### Consultation and Coordination

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### **Consultation**

The following individuals, federal, state, and local agencies, and tribes were consulted during the development of this EIS.

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Lake Valley Fire Protection District  
Tahoe Douglas Fire Protection District  
Fallen Leaf Fire Department  
Lahontan Water Board  
Tahoe Regional Planning Agency (TRPA)

### **Distribution of FEIS Document**

#### **Notification to Individuals & Organizations**

The following list contains the names of those who have participated in the project public collaboration process, and were notified of the publication of the South Shore Fuel Reduction Final EIS (consistent with 36 CFR part 218, subpart A).

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### **Distribution to Additional Agencies and Community Locations**

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El Dorado County Library, South Lake Tahoe, CA  
Environmental Protection Agency, Region 9, EIS Review Coordinator  
Federal Aviation Administration, Western-Pacific Region, Regional Administrator  
National Marine Fisheries Service, Habitat Conservationists Division, Southwest Region  
State Water Resources Control Board, Water Quality, 1001 I St., Sacramento, CA  
Tahoe Rim Trail Association, DWR Community Non Profit Center  
USDA Forest Service, Ecosystem Planning/Attn: Appeals

## Acronyms

<b>CAR</b>	<b><u>Critical aquatic refuge:</u></b> Forest Plan land allocation from the Sierra Nevada Forest Plan Amendment to designate areas for management emphasis on aquatic resources.
<b>CASQA</b>	<b>California Stormwater Quality Association:</b> Assists the State Water Resources Control Board (SWRCB) and municipalities throughout the state of California in implementing the National Pollutant Discharge Elimination System (NPDES) stormwater mandates of the Federal Clean Water Act.
<b>CTL</b>	<b><u>Cut to length:</u></b> Method of thinning using mechanical harvester equipment that processes logs and bunches biomass for removal while traveling over a portion of the limbs and tops from the trees harvested. A forwarder self-loads logs with or without branches for transport to a landing as well as biomass that will be removed from the project area usually in the form of chip. Logs are generally not skidded. A chipper at the landing usually processes material into clean chip for manufacturing into oriented strand boards and biomass utilization.
<b>CWD</b>	<b><u>Coarse woody debris:</u></b> Material usually 12 inches or larger in diameter within stream channels or floodplains. Provides fish habitat and floodplain roughness.
<b>CWHR</b>	<b>California Wildlife Habitats Relationships computer program:</b> Functions as a predictive model of habitat suitability for wildlife species, describing vegetation conditions through metrics such as tree size classes and canopy closure.
<b>EIS</b>	<b><u>Environmental Impact Statement:</u></b> The document required by the NEPA for disclosing to the public the activities and effects of an action by a federal agency.
<b>ERA</b>	<b><u>Equivalent roaded acres:</u></b> Used to estimate the impacts of various land use activities in a watershed. The ERA method relates the relative magnitude of disturbance from land use activities compared to an acre of road disturbance. Land uses are assigned a coefficient based on relative impact, ranging from 1.0 for roads, structures, and other impervious surfaces to 0.0 for land uses that have a negligible or positive impact on the soil hydrologic properties.
<b>HFRA</b>	<b><u>Healthy Forests Restoration Act of 2003:</u></b> The central legislative component of the Healthy Forests Initiative, containing a variety of provisions aimed at expediting the preparation and implementation of hazardous fuels reduction projects.
<b>HRCA</b>	<b><u>Home range core area:</u></b> Approximately 1000 acre area designated by the SNFPA as the area surrounding the PAC to be maintained as foraging and PAC replacement habitat for CA spotted owls.
<b>HUC</b>	<b><u>Hydrologic unit code:</u></b> Designation by the United States Geologic Survey (USGS) that labels watersheds based on their relative size (from 1, being major river systems, to 12 (being very small subwatersheds of only a few acres).

<b>ML</b>	<b><u>Maintenance level:</u></b> Roads are classified into maintenance levels 1-5 depending on the use of the road. Level 1 roads are project roads generally closed to public access, while level 5 roads are paved two-lane roads accessible by passenger cars for public use.
<b>MOU</b>	<b><u>Memorandum of understanding:</u></b> A document describing a bilateral or multilateral agreement between parties, to include management actions carried out by the Forest Service, Tribal governments, U.S. government agencies at all levels, and private business entities.
<b>LOP</b>	<b><u>Limited operating period:</u></b> A restriction placed on a management action within a specific defined area, as to when during the year an event can take place; a management strategy to reduce disturbance to wildlife species and habitats.
<b>NEPA</b>	<b><u>National Environmental Policy Act:</u></b> Law that requires federal agencies to disclose major actions and their environmental consequences to the public.
<b>NWCG</b>	<b><u>National Wildfire Coordinating Group:</u></b> A formal collective of wildfire management agency representatives from the USDA Forest Service; four Department of the Interior agencies: Bureau of Land Management (BLM), National Park Service (NPS), Bureau of Indian Affairs (BIA), and the Fish and Wildlife Service (FWS); and State forestry agencies (through the National Association of State Foresters). NWCG's purpose is to coordinate programs of the participating agencies so as to avoid wasteful duplication and to provide a means of constructively working together.
<b>PAC</b>	<b><u>Protected activity center:</u></b> Approximately 300 acre area designated by the SNFPA centered on a nest tree to be managed as nesting habitat for CA spotted owls.
<b>RCA</b>	<b><u>Riparian conservation area:</u></b> A buffer for streams, special aquatic features and other hydrological depressions as defined by the Sierra Nevada Forest Plan Amendment (SNFPA)
<b>RAWS</b>	<b><u>Remote automated weather station:</u></b> A network of semi-permanent data acquisition and transmission towers, transmitting site-specific weather data linked from Geostationary Operational Environmental (GOES) Satellite data. The radio transmission of weather data occur when the user "interrogates" a station with a handheld radio on the designated RAWS frequency, or when weather conditions exceed a predetermined threshold an alert broadcast is transmitted to a local emergency channel. Reference: <a href="http://raws.fam.nwcg.gov/">http://raws.fam.nwcg.gov/</a>
<b>RR</b>	<b><u>Risk Ratio:</u></b> The total ERA from all land uses in each watershed is compared to TOC for that watershed in order to define the risk ratio using the following equation: Risk Ratio = ERA/TOC
<b>ROD</b>	<b><u>Record of decision:</u></b> The decision document for an environmental impact statement (EIS).



<b>RNWMS</b>	<b><u>Regional Noxious Weed Management Strategy:</u></b> Management strategy for the U.S. Forest Service in California, developed to address this threat, and to work cooperatively with partners check the spread of weeds statewide. Published in August 2000. Reference: <a href="http://www.fs.fed.us/r5/noxiousweeds/">http://www.fs.fed.us/r5/noxiousweeds/</a>
<b>SEZ</b>	<b><u>Stream environment zone:</u></b> Biological communities, as defined by TRPA and the Lahontan Water Board, that owe their characteristics to the presence of surface water or a seasonally high groundwater table. The criterion for defining SEZs includes indicators of vegetation, hydrology, and/or soil type (State of CA WQCP 2005).
<b>SNFPA</b>	<b><u>Sierra Nevada Forest Plan Amendment:</u></b> Amendment to the Forest Plans of 11 national forests in the Sierra Nevada mountain range, including the LTBMU. Published in January, 2004 by the Pacific Southwest Region (National Forests in California), Vallejo, CA. Reference: <a href="http://www.fs.fed.us/r5/snfpa/final-seis/index.html">http://www.fs.fed.us/r5/snfpa/final-seis/index.html</a>
<b>SNYLF</b>	<b><u>Sierra Nevada (mountain) yellow-legged frog (<i>Rana sierra</i>):</u></b> a candidate species for listing under the Endangered Species Act (ESA), and as Sensitive on the Region 5 Regional Forester's Sensitive Species List. See the Aquatic Wildlife section in Chapter 3.
<b>SPLAT</b>	<b><u>Strategically placed area treatment:</u></b> Fuel reduction treatments placed in a pattern to interrupt fire progression such that the fire reduces in intensity and becomes a surface fire in these areas. The overall pattern impedes fire spread.
<b>TOC</b>	<b><u>Threshold of Concern:</u></b> Watersheds have a natural sensitivity, or threshold, to absorb disturbance, human or natural, specific to geology, soil, and slope.
<b>WT</b>	<b><u>Whole tree:</u></b> Mechanical method of thinning where the entire tree is moved to a landing for further processing to remove limbs and tops after it is cut.
<b>WUI</b>	<b><u>Wildland urban interface (intermix):</u></b> Where homes, businesses, and/or communities are juxtaposed with public lands. The SNFPA defines the WUI as 3 zones: the urban core where undeveloped public and developed private lands are adjacent; the defense zone where undeveloped public lands extend ¼ mile from places where people live and/or work; and the threat zone where undeveloped public lands extend 1.5 miles from places where people live and/or work.

## Glossary

<b>Aggradation</b>	Aggradation involves the raising of the streambed elevation, an increase in width/depth ratio, and a corresponding decrease in channel capacity. Over-bank flows occur more frequently with less-than-high-water events. Excess sediment deposition in the channel and on floodplains is characteristic of the aggrading river. Often, the cause of aggradation is an increase in upstream sediment load and/or size of sediment exceeding the transport capacity of the channel. (US EPA: <a href="http://water.epa.gov/scitech/datait/tools/warsss/sedsouce_index.cfm">http://water.epa.gov/scitech/datait/tools/warsss/sedsouce_index.cfm</a> ).
<b>Basal area</b>	The cross-sectional area of a single stem, including the bark, measured at breast height (4.5 ft or 1.37 m above the ground)
<b>Backing fire</b>	A fire spreading, or ignited to spread, into (against) the wind, in the absence of wind, or downslope.
<b>Bog</b>	A wet, poorly drained, highly acid, nutrient poor, peat-accumulating wetland with surface vegetation of acidophilic mosses (particularly Sphagnum) and possibly some shrubs or trees.
<b>Desired basal area</b>	The spacing or stocking levels used to guide thinning in order to leave a desired density in developing stands.
<b>Dead fuels (Fire Behavior and Fuels)</b>	Estimating the moisture content of dead woody fuels is critical when predicting fire behavior. Dead fuels are divided into four size classes: 1 hour (flashy fuels), 10 hour (1/2-inch diameter), 100 hour (3-inch diameter) and 1,000 hour (8-inch diameter). In general, the larger fuels take longer to absorb or lose moisture. In general, drier fuels increase the rate of fire spread, fireline intensity, and fuel consumption. Prescribed burns are used to meet a number of resource management objectives. Fire managers rely on fire behavior prediction to determine the optimum conditions for prescribed burning.
<b>Endlining</b>	Moving logs using cables where the log is in full or partial contact with the ground
<b>Ephemeral stream</b>	A stream or portion of a stream that flows only in direct response to precipitation, receiving little or no water from springs and no long-continued supply from snow or other sources, and whose channel is at all times above the water table.
<b>Fen</b>	A peat-accumulating wetland that receives some drainage from surrounding mineral soils and usually supports marshlike vegetation including sedges, rushes, shrubs, and trees. Fens are less acidic than bogs, and derive most of their water from groundwater rich in calcium and magnesium.

<b>Flag and avoid</b>	The hanging of flagging in order to identify for the purpose of avoidance of a special feature in an area.
<b>Forest Development Road</b>	See <i>Road Categories</i>
<b>Grapple piling</b>	Use of a track-laying low-ground pressure excavator with a with a thumb and claw, typically mounted on articulating arm. This machine is capable picking up created slash or other material to pile on slopes up to 30%.
<b>Hand removal or thinning</b>	Consists of removing trees with chain saws or lopping shears and piling or scattering the debris in open areas for later burning.
<b>Hot piling</b>	Placing and consolidating unburned fuel into an already burning pile for the purpose of isolating or localizing a prescribed fire.
<b>Hydrophobicity</b>	Resistance to water absorption by severely burned soils.
<b>Intermittent stream</b>	A stream or portion of a stream, that does not flow year-round but only when it (a) receives base flow solely during wet periods, or (b) receives groundwater discharge or protracted contributions from melting snow or other erratic surface and shallow subsurface sources
<b>Lacustrine</b>	Lake ecosystem; includes the lake and lake shore.
<b>Lentic</b>	Stream ecosystem; includes the stream and stream bank.
<b>Maintenance Levels (Road management)</b>	<p><b>Level 5</b> – Roads that provide a high degree of user comfort and convenience. These roads are normally double-lane, paved facilities.</p> <p><b>Level 4</b> – Roads that provide a moderate degree of user comfort and convenience at moderate travel speeds. Most roads are double lane and aggregate surfaced. However, some roads may be single lane.</p> <p><b>Level 3</b> – Roads open and maintained for travel by prudent drivers in a standard passenger cars. User comfort and convenience are low priorities.</p> <p><b>Level 2</b> – Roads open for use by high-clearance vehicles . Passenger car traffic is not a consideration. Traffic is normally minor, usually consisting of one or a combination of administrative, permitted, dispersed recreation, or other specialized uses.</p> <p><b>Level 1</b> – Intermittent service roads during the time they are closed to vehicular traffic. The closure period must exceed 1 year. Basic custodial maintenance is performed to keep damage to adjacent resources to an acceptable level and to perpetuate the road to facilitate future management activities.</p> <p><i>Road management is further defined in Forest Service Handbook (FSH) 7709.58,10,12.3.</i></p>
<b>Mastication</b>	A process to manipulate fuels or biomass (trees, thinning slash, shrubs, etc.) from a larger size to a smaller size.
<b>Mesic</b>	Of sites or habitats characterized by intermediate moisture conditions, i.e.,

neither decidedly wet nor dry.

<b>Objection</b>	The written document filed with a reviewing officer by an individual (or organization) seeking predecisional administrative review of a proposed authorized hazardous fuel reduction project as defined in the HFRA.
<b>Perennial stream</b>	A creek or river that flows all year (see intermittent and ephemeral).
<b>Prescription</b>	Direction given for land and resource management in a given area.
<b>Raws</b>	Remote Automated Weather Station
<b>Ripping</b>	A process to mitigate soil compaction. Using equipment with a toothed blade or set of heavy tines mounted at the front or rear of the equipment to break up hard ground or to tear out stumps and boulders; can be synonymous with subsoiling and tilling.
<b>Riverine</b>	Pertaining to rivers and river bank environments.
<b>Road activity</b>	<p><b>Road Construction</b> – Supervising, inspecting, building, and all expenses incidental to the construction or reconstruction of a forest development transportation facility, including: location, surveying, and mapping (including the establishment of temporary and permanent geodetic markers in accordance with the specifications of the Coast and Geodetic Survey in the Department of Commerce), costs of rights-of way, and elimination of hazards. (36 CFR 212.1(h)).</p> <p><b>Road Maintenance</b> – The upkeep of the entire forest development transportation facility including surface and shoulders, parking and side area structures, and such traffic-control devices as are necessary for its safe and efficient utilization. (36 CFR 212.1(I)).</p> <p>Road Reconstruction - Activities that result in betterment, restoration, or realignment of a road as defined below.</p> <p><b>1. Betterment</b> – Investment in construction activity that raises the traffic-service level of a road or improves its safety or operating efficiency.</p> <p><b>2. Restoration</b> – Investment in construction activity required to rebuild a road to its approved traffic-service level.</p> <p><b>3. Realignment</b> – Investment in construction activity that results in the new location of an existing road or portion thereof.</p>
<b>Road categories</b>	<p><b>Forest Development Road</b> – A road wholly or partially within or adjacent to NFS boundary that the Forest Service has authorized and maintains jurisdiction over and that is necessary for the protection, administration, and use of lands under the agency's jurisdiction.</p> <p><b>Temporary road</b> – A road associated with timber sale contracts, fire activities, or other short-term access needs that are unnecessary for future resource management and not intended to be part of the forest development transportation plan.</p> <p><b>Unclassified road</b> – A road that is not constructed, maintained, or intended for long-term highway use. Such roads include all temporary</p>

access construction and other remnants of short-term use roads associated with fire suppression, timber harvest, and oil, gas, or mineral activities as well as travel ways resulting from off-road vehicle use.

**Treatment**

A specified method for the purpose of reaching or bringing land and/or resource conditions towards a desired condition or goal.

**Underburn**

Fire in the forest understory; a prescribed or wildfire that consumes surface fuels but not trees

**Vernal pool**

A contained basin depression lacking a permanent above ground outlet. An ephemeral (temporary) pool that fills with snowmelt and spring run-off.

**Woody biomass**

The wood product obtained (usually) from in-woods chipping of all or some portion of trees including limbs, tops, and unmerchantable stems, usually for energy production

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